

Applicant respectfully requests that the amendment and remarks herein be entered. It is believed that the amendments herein, place the claims in condition for allowance.

IN THE TITLE

Please replace the title indicated in the caption above with the following new title  
-- **MICROSATELLITE MARKERS FOR PLANTS OF THE SPECIES TRITICUM AESTIVUM AND GENUS TRITICEAE AND THE USE OF SAID MARKERS** --

IN THE CLAIMS

Please cancel claims 15 and 16.

Amend claims 14 as follows:

14. (amended twice) A method of genotyping plants of the *Triticum aestivum* species and the genus *Triticeae* at a microsatellite locus, the method comprising

a) amplifying chromosomal DNA with one or more oligonucleotide primer pairs specifically hybridizing to said locus of a region of said chromosomal DNA, wherein said region of the DNA comprises a repeated dinucleotide motif comprising at least one of the following selected from the group consisting of  $(GA:CT)_n$ ,  $(GT:CA)_n$ ,  $(AT:TA)_n$ , where  $n \geq 10$ , to obtain an amplification product,

b) wherein each primer pair consists of a first oligonucleotide of SEQ ID NO.  $x$  and a second oligonucleotide of SEQ ID NO.  $x+1$ , and wherein  $x = 1, 3, 5, 7, 9, 11, 13, 15, 17, 19$ ; and